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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTON, CY'S DOCKET NUMBER
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TRANSMITTAL LETTER	7376-2								
DESIGNATED/ELECT	U.S. APPLICATION NO. (1f known, see 37 CFR 15)								
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INTERNATIONAL APPLICATION NO. PCT/GB99/00044	PRIORITY DATE CLAIMED January 16, 1998								
TITLE OF INVENTIONBARRIER MAT	CERIALS AND PRODUCTS PRODUCE	D THEREWITH							
	APPLICANT(S) FOR DO/EO/US Robert Moule and Simon Moule								
	es Designated/Elected Office (DO/EO/US) the folk	owing items and other information:							
	ns concerning a filing under 35 U.S.C. 371.	. 25 I I 9 C 271							
a C mi	ENT submission of items concerning a filing under nal examination procedures (35 U.S.C. 371(f)) at a	ny time rather than delay							
avamination until the expiration of	the applicable time limit set in 35 U.S.C. 371(i) at 2 Preliminary Examination was made by the 19th more	and PC I Articles 22 and 39(1).							
	plication as filed (35 U.S.C. 371(c)(2))	• •							
a. Is transmitted herewith	(required only if not transmitted by the Inter-	national Bureau).							
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	nowever, the time limit for making such amend	aments has NOT expired.							
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Items 11. to 16. below concern docume									
	tement under 37 CFR 1.97 and 1.98.								
12. An assignment document for re	ecording. A separate cover sheet in compliance	ce with 37 CFR 3.28 and 3.31 is included.							
13. X A FIRST preliminary amendme	ent. '- ;								
A SECOND or SUBSEQUENT	A SECOND or SUBSEQUENT preliminary amendment.								
14. A substitute specification.									
15. A change of power of attorney and/or address letter.									
16. Other items or information: Copy of WO 99/36755 Copy of International Preliminary Examination Report									
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Post Office to Add	at this paper or fee is being deposited with the United fressee" service under 37 CFR § 1.10 on the date inconsioner for Patents, Washington, D.C. 20231.	dicated above and is addressed to the							
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INTERNATIONAL APPLICATION NO PCT/GB99/00044 PTO USE ONLY CALCULATIONS 17. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO International preliminary examination fee paid to USPTO (37 CFR 1.482) International preliminary examination fee paid to USPTO (37 CFR 1.482) \$ 840.00 ENTER APPROPRIATE BASIC FEE AMOUNT = Surcharge of \$130.00 for furnishing the oath or declaration later than \$ months from the earliest claimed priority date (37 CFR 1.492(e)). RATE NUMBER EXTRA NUMBER FILED CLAIMS X \$18.00 16 O \$ Total claims - 20 = 0 X \$78.00 \$ Independent claims - 3 = + \$260.00 \$ MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS \$ 840,00 Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also by filed (Note 37 CFR 1.9, 1.27, 1.28). .D \$ 840,00 **SUBTOTAL** n Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)). s 840.00 TOTAL NATIONAL FEE L Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be \$ accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$ 840.00 TOTAL FEES ENCLOSED Amount to be S refunded: \$ charged: N. A check in the amount of \$_840.00_\text{ to cover the above fees is enclosed.} 1 to cover the above fees. _____ in the amount of \$____ Please charge my Deposit Account No. _ A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3030. A duplicate copy of this sheet is enclosed. c. X NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO Thomas Q. Henry Thomas Q. Henr Woodard, Emhardt, Naughton, Moriarty & McNett NAME 111 Monument Circle 28,309 3700 Bank One Tower REGISTRATION NUMBER Indianapolis, IN 46204

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7376-2:TQH:94691; WENMM SE/10 (4-89) Docket Number (Optional) STATEMENT CLAIMING SMALL ENTITY STATUS 7376-2 (37 CFR 1.9(f) & 1.27 (b))—SMALL BUSINESS CONCERN Robert Moule, Simon Moule Applicant, Patentee, or identifier: __ 09/600,359 Application or Patent No.: Filed or Issued: BARRIER MATERIALS AND PRODUCTS PRODUCED THEREWITH I hereby state that I am \Box the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below; Food Guardian Limited NAME OF SMALL BUSINESS CONCERN Ashfields, Leigh Sinton, Worcestershire WR13 5DH ADDRESS OF SMALL BUSINESS CONCERN United Kingdom I hereby state that the above identified small business concern qualifies as a small business concern as Defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 406 Third Street, SW, Washington, i hereby state that rights under contract or law have been conveyed to and remain with small business concern identified above DC 20416. with regard to the invention described in: The specification filed herewith with title as fisted above. The application identified above. The patent identified above. If the rights held by the above identified small business concern are not exclusive, each individual, Concern, or organization having Rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would Not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any Concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit Organization under 37 CFR 1.9(e). Each person, concern, organization having any rights to the invention is listed below: No such person, concern, or organization exists. Each such person, concern, or organization is listed below. Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27) I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitiement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after date on which status as a small emity is no longer appropriate (37 CFR 1.28 (b)).

Amoid Givnn Hubbard

Managing Director

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7376-2:TQH:94989; VVENMM SB/09 (4-09 Docket Number (Optional) STATEMENT CLAIMING SMALL ENTITY STATUS 7376-2 (37 CFR 1.9(f) & 1.27 (b))—INDEPENDENT INVENTOR Applicant, Patentee, or Identifier: Robert Moule, Simon Moule 09/600,359 Application or Patent No.: Filed or issued: Title: BARRIER MATERIALS AND PRODUCTS PRODUCED THEREWITH As a below named inventor, I hereby state that I qualify as an Independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in: The specification filed herewith with title as listed above. 品 The application identified above. The patent identified above. I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract of law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9 (c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e). Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract of law to assign, grant, convey, or license any rights in the invention is listed below: No such person, concern, or organization exists. 🖺 Each such person, concern, or organization is listed below. ☐ Each person, concern, organization having any rights to the invention is listed below: Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entitles, (37 CFR 1.27) NAME OF SMALL BUSINESS CONCERN Food Guardian Limited ADDRESS OF SMALL BUSINESS CONCERN Ashfleids, Leigh Sinton, Worcestershire WR13 5DH United Kingdom I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR 1.28 (b)).

ROBERT MOULE NAME OF INVENTOR (types or printed). Sidnature of invento

Date

SIMON MOULE NAME OF INVENTOR (betain or printed)

Signature of Inventor

Date

SIMON MOVLE

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)
Robert Moule et al.)
Serial No. (unknown))
Filed Herewith	
BARRIER MATERIALS AND PRODUCTS PRODUCED THEREWITH US National Stage of PCT/GB99/00044 International Filing Date January 16, 1998))))
PRELIMINAR	Y AMENDMENT
Hon. Assistant Commissioner of Patents	
Washington, D.C. 20231	
Sir:	
Please enter the following Prelimina	ry Amendment in the above-identified patent
application. The Commissioner is hereby a	uthorized to charge payment of any additional
fees associated with this application or cred	it any overpayment to Deposit Account No.
23-3030.	
IN THE CLAIMS	
Please cancel claims 1-16.	
Please add new claims 17-32.	

"Express Mail" label number EL/II/28132745. Date of Deposit July 14, 2000. I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Trademarks, 2900 Crystal Dr., Arlington, Virginia 22202-3513

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- -17. A marking element for indicating whether a pre-defined temperature condition has been maintained comprising a first material capable of flowing above a predetermined temperature separated from a second absorbent material by a heat disruptable barrier layer, the first and second materials being such that when the barrier layer is punctured and the predetermined temperature is exceeded the first material flows in the second material to produce a detectable change wherein the heat disruptable barrier layer is comprised of a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.
- 18. A marking element as claimed in claim 17 comprising a lower layer which, together with the heat disruptable barrier layer, forms a reservoir for the first material, and an absorbent layer provided on the opposite side of the barrier layer to said reservoir.
- 19. A marking element as claimed in claim 17 wherein the absorbent layer is overlaid by a transparent film.
- 20. A marking element as claimed in claim 17 wherein the heat disruptable material is a film.
- 21. A marking element as claimed in claim 20 wherein the heat disruptable material is a plastics film.
- 22. A marking element as claimed in claims 17 wherein the inductively heatable element is provided on the heat disruptable material.
- 23. A marking element as claimed in claim 17 wherein the inductively heatable element is provided by a conductive ink.
- A marking element as claimed in claim 23 wherein the conductive ink is a metallic ink or a graphite loaded ink.

- 25. A marking element as claimed in claim 17 wherein the inductively heatable element is provided by metal, carbon or an electrically conductive plastics or polymeric material.
- 26. A marking element as claimed in claim 25 wherein the inductively heatable element is of metal in the form of a film, sheet or foil.
- 27. A marking element as claimed in claim 17 wherein the barrier layer is disruptable by radiofrequency energy.
- 28. A marking element as claimed in claim 17 which is disruptable by microwave energy.
- 29. A method of activating a marking element as claimed in claim 1, the method comprising subjecting the marking element to electromagnetic energy capable of inductively heating said inductive heatable element to effect disruption of the barrier layer.
- 30. A barrier material comprised of a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.
- 31. A barrier material as claimed in claim 30 and comprising a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.
- 32. A method of disrupting a barrier material as claimed in claim 30, the method comprising subjecting the barrier material to electromagnetic energy capable of inductively heating said element to effect disruption of the material.--

REMARKS

Consideration and allowance of the above-identified patent application is requested.

Respectfully submitted,

By:

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BARRIER MATERIALS AND PRODUCTS PRODUCED THEREWITH

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The present invention relates to heat disruptable barrier materials (particularly but not exclusive): thin plastics films), to the disruption of such materials, and to products incorporating these materials.

There are numerous examples of products incorporating barrier materials which must be disrupted (e.g. punctured) to allow communication between both sides of the barrier. Examples of such products include containers which contain food to be microwaved and which are covered with a film or the like which must be punctured prior to the food being microwaved to ensure that steam is vented from the container. Whilst it may be a relatively simple task manually to puncture the film for a single product item, it obviously becomes time consuming to repeat the operation for a plurality of items, e.g. for catering on a commercial scale,

A further problem of puncturing barrier layers occurs when the barrier is beneath a further layer which itself must not be punctured. A particular example of this problem is encountered in the marking element disclosed in WO-A-9208113 which is used for indicating whether a product has been maintained under a particular temperature or temperature-time condition. More particularly the marking element as manufactured comprises an ink separated from an absorbent wick by a heat disruptable film, all of these components being provided beneath an upper film layer of higher melting/softening temperature than the heat disruptable film.

By way of further explanation, the marking element may be one which is to be used for indicating whether frozen food has been stored at a higher temperature (e.g. room temperature) than is required. As such, the ink is one which is (i) not capable of flowing at the correct storage temperature of the food, but (ii) capable of flowing at or above the temperature at which the food should not be stored. When the marking element is manufactured it is necessary to ensure that the ink (which will flow at the

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manufacturing temperature) is separated from the wick - hence the need for the barrier layer.

Subsequent to manufacture, the marking element is cooled down (either before or after application to the product to be monitored) to a temperature at which the ink will not flow. The element is then "activated" by application of a heated probe to the upper film layer. This probe is at a temperature at which it does not disrupt the outer film layer but is capable of puncturing the heat disruptable layer so as to allow the ink to reach the wick. If the temperature the product increases beyond a predetermined value then the ink is capable of flowing in the wick to provide an indication of the undesired increase in temperature.

Whilst such marking elements function is a perfectly satisfactory manner, the need to use a heated probe makes it difficult to activate the elements, particularly if they have already been applied to the product to be monitored.

It is an object of the present invention to obviate or mitigate the abovementioned disadvantages.

According to a first aspect of the present invention there is provided a marking element for indicating whether a pre-defined temperature condition has been maintained comprising a first material capable of flowing above a predetermined temperature separated from a second absorbent material by a heat disruptable barrier layer, the first and second materials being such that when the barrier layer is punctured and the predetermined temperature is exceeded the first material flows in the second material to produce a detectable change wherein the heat disruptable barrier layer is comprised of a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.

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According to a second aspect of the present invention there is provided a method of activating a marking element as defined in the previous paragraph, the method comprising subjecting the marking element to electromagnetic energy capable of inductively heating said inductive heatable element to effect disruption of the barrier layer.

The heat disruptable material may for example be a film, most preferably a plastics film.

The inductively heatable element may of any material with the requisite conductivity, e.g. metal, carbon or a conductive plastics or polymeric material. Conveniently the inductively heatable element is provided by a marking of an electrically conductive (e.g. metallic) ink or patch on or otherwise associated with the heat disruptable material. Further possibilities for the element are a foil, sheet or film of a metal. A still further possibility is a marking of a graphite (carbon) loaded ink.

The inductively heatable element may be on either side of, or within, the barrier material and may be of any desired shape appropriate to the electromagnetic energy to the used, e.g. a disc or an annulus. The annulus may be of uniform width across its inner and outer edges (e.g. as provided by two concentric circles) or may have one or more "restrictions" around its width.

Preferably also the electromagnetic energy for inductively heating the element is radiofrequency energy (10^4 Hz to 3×10^{12} Hz). Preferably the frequency is from 50 kHz to 1 Mhz more typically 100 kHz to 500 kHz. e.g. 160 kHz to 180 kHz. The power may be 100 W to 1000 W, typically 500 W

In the marking element according to the invention, the barrier layer together with the first and second materials may be provided beneath an outer layer (e.g. an

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outer film layer). The barrier layer may be selectively disrupted by the use of electromagnetic energy of the appropriate frequency thus avoiding the need for the outer covering layer to be of a higher melting/softening temperature than the barrier layer and the need to use a heated probe. A related advantage is that the marking element may be activated simply by positioning the element (e.g. *in* situ on a product to be "monitored" by the element) close to an electromagnetic field of the appropriate frequency to effect disruption of the barrier layer. This is a much more convenient technique to the use of a heated probe.

The harrier material as employed in the marking element is an important feature of the invention in its own right and therefore according to a third aspect of the present invention there is provided a barrier material comprised of a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.

According to a fourth aspect of the present invention there is provided a method of disrupting a barrier material as defined in the previous paragraph, the method comprising subjecting the barrier material to electromagnetic energy capable of inductively heating said element to effect disruption of the material.

The electromagnetic energy may be microwave energy such that the barrier material of the invention may be used, for example, as a covering for a container which is intended to be heated in a microwave oven. As such, the microwave energy effects inductive heating of the element resulting in the disruption of the covering. As such the need for manual puncturing is avoided.

The barrier material of the invention is particularly suitable for use in products in which a barrier to be punctured is provided beneath at least one further lay: which is required to remain intact since using electromagnetic energy it is possible selectively to disrupt the barrier layer.

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The invention will be further described by way of example only with reference to the accompanying drawings, in which

Fig. I is an exploded perspective view of one embodiment of marking element in accordance with the first aspect of the invention.

Fig. 2 is a cross-section of the marking element illustrated in Fig. 1 prior to activation thereof:

Fig. 3 is a cross-section similar to Fig. 2 but shows the marking element in an activated condition and also indicating that a product has been stored above a predetermined temperature; and

Fig. 4 is a plan view of the label in the condition shown in Fig. 3.

As shown in Fig. 1, a marking element 1 in accordance with the invention is removably mounted on a carrier sheet 2 and is a laminar structure comprised of layers 3-6 described in more detail below and an ink 7 (not shown in Fig. 1 but see Fig. 2).

In more detail, the layer 4 is comprised of a heat disruptable plastics film 8 provided with an inductively heatable element in the form of a marking 9 of an inductively heatable conductive ink. Alternatively the inductively heatable element may for example be provided by a thin metal disc or a metal joint. At its undersurface, barrier layer 4 is bonded around its peripheral surface to the corresponding area of the upper surface of the layer 3 so that a reservoir space (in which the ink 7 is located) is formed between the layers 3 and 4. The undersurface of layer 3 is releasably attached to carrier 2 so that the label 1 may be removed therefrom and attached (by the adhesive) to a product to be monitored.

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The indicator layer 5 is of paper which has been treated with a resin so that only a central area 10 (shown in Fig. 1 in the shape of a thermometer) remains absorbent, the remaining area of the layer 5 as depicted by the hatched lines being non-absorbent. The undersurface of layer 5 is bonded in the hatched areas to the upper surface of the barrier layer 4 and it will be noted from Fig. 1 that the marking 9 of reflective ink (on the barrier layer 4) locates immediately beneath the "bulb" of the thermometer-shaped absorbent area 10 of indicator layer 5.

Layer 6 is a clear plastics layer which overlies, and is bonded to the indicator layer 5. The absorbent area 10 is of contrasting colour to the ink 7.

In the marking element 1 as shown in Figs. 1 and 2, the barrier layer 4 prevents contact between the ink 7 and the absorbent area 10 of indicator layer 5. The ink 7 is one which (once the barrier layer has been disrupted - see below) is only capable of flowing in the absorbent area 10 of layer 5 if the label 1 is above a predetermined temperature. The ink may, for example, comprise an alkyl (particularly a C_{1-1} alkyl) ester of a long-chain fatty acid. Examples of esters which may be used include ethyl myristate, butyl myristate and butyl laurate. It will of course be appreciated that the ink may comprise a mixture of esters to ensure that the ink flows above a particular temperature. A further possibility is for the ink to comprise a polymeric material which reversibly fuses above a predetermined temperature, e.g. a thermo-reversable wax. Inorganic salts (e.g. sodium or potassium chloride) can also be incorporated in the polymeric material for providing the required temperature of fusion.

For the purposes of "activation", the label 1 is subjected to a temperature at which the ink 7 will not flow. Subsequently, the label 1 (which may be attached to the product to be monitored) is placed close to an electromagnetic field or sufficient energy (flux density) to effect inductive heating of the ink 9. This causes disruption

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(puncturing) of the film 8 beneath the "bulb" of the absorbent area 10 of layer 5 which therefore comes into communication with the reservoir of ink 7

Provided that the product to which the marking element 1 is attached is maintained below a predetermined temperature, the ink is unable to flow (or at least unable to flow to any substantial extent) and does not colour the absorbent area 10. If however the product is raised above the permitted temperature then the ink will flow into, and indelibly mark, the area 10 as depicted in Figs. 3 and 4.

Barrier materials of similar construction to layer four may be used in applications other than a marking element. Such layers may, for example, be used as a covering for a container which is intended to be heated in a microwave oven such that inductive heating of the inductively heatable element results in disruption of the covering.

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CLAIMS

- A marking element for indicating whether a pre-defined temperature condition ١. has been maintained comprising a first material capable of flowing above a predetermined temperature separated from a second absorbent material by a heat disruptable barrier layer, the first and second materials being such that when the barrier layer is punctured and the predetermined temperature is exceeded the first material flows in the second material to produce a detectable change wherein the heat disruptable barrier layer is comprised of a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.
- 2. A marking element as claimed in claim 1 comprising a lower layer which, together with the heat disruptable barrier layer, forms a reservoir for the first material, and an absorbent layer provided on the opposite side of the barrier layer to said reservoir.
- A marking element as claimed in claim 1 or 2 wherein the absorbent layer is 3. overlaid by a transparent film.
- A marking element as claimed in any one of claims I to 3 wherein the heat disruptable material is a film.
- 5. A marking element as claimed in claim 4 wherein the heat disruptable material is a plastics film.
- 6 A marking element as claimed in any one of claims 1 to 5 wherein the inductively heatable element is provided on the heat disruptable material.

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- A marking element as claimed in any one of claims 1 to 6 wherein the inductively heatable element is provided by a confuctive ink
- A marking element as claimed in claim 7 wherein the conductive ink is a metallic ink or a graphite loaded ink
- 9. A marking element as claimed in any one of claims 1 to 6 wherein the inductively heatable element is provided by metal, carbon or an electrically conductive plastics or polymeric material
- A marking element as claimed in claim 9 wherein the inductively heatable 10. element is of metal in the form of a film, sheet or foil.
- A marking element as claimed in any one of claims 1 to 10 wherein the barrier 11. layer is disruptable by radiofrequency energy.
- 12 A marking element as claimed in any one of claims 1 to 10 which is disruptable by microwave energy
- A method of activating a marking element as claimed in any one of claims 1 to 12, the method comprising subjecting the marking element to electromagnetic energy capable of inductively heating said inductive heatable element to effect disruption of the barrier layer.
- 14. A barrier material comprised of a heat disruptable material associated with an element capable of being inductively heated by electromagnetic energy to effect disruption of said material.
- 15. A barrier material as claimed in claims 13 which is as defined in anyone of claims 1 to 12

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A method of disrupting a barrier material as claimed in claim 14 or 15, the 6. method comprising subjecting the barrier material to electromagnetic energy capable of inductively heating said element to effect disruption of the material.

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nitial Filing	Submitted after Initial Filing	Filing Date	Filing Date						
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			Ecaminer's Name						
As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled BARRIER MATERIALS AND PRODUCTS PRODUCED THEREWITH the specification of which (check one) is attached hereto. Was filed on January 18, 1999 as United States Application No. or									
PCT International Application NoGB99/00044 And was amended on(if applicable).									
I hereby state that I have reincluding the claims, as amendal acknowledge the duty to dis accordance with Title 37, Code hereby claim foreign priority benulication(s) for patent or inventor	ed by any amendment of Federal Regulates ander Title 35 s certificate or 365	ent referred to above which is material to to inns, §1.56. i. United States Cookies of any PCT interests.	e. the patents te. §119(a	ability of the	nis applicat	tion in			
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